











Major Business Lines



Capital Improvements

03CN

Design and Construction



Environmental

03EN

Environmental Compliance, Restoration and Planning



Planning

03PL

Facilities Planning and Project Development



Real Estate

03RE

Real Property Management and Public Private Ventures



BOS

03PW

Transportation, Facilities Mgmt, Utilities, Engineering & Consulting Services



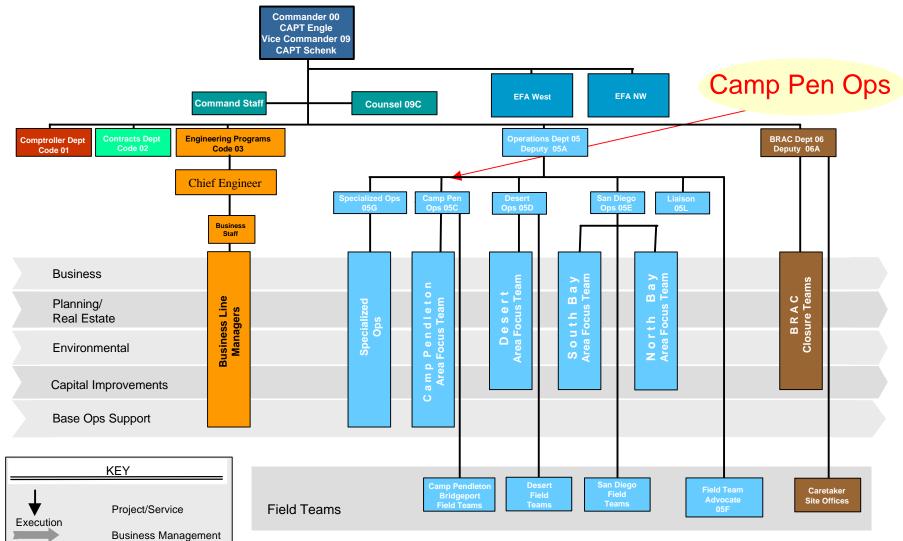
BRAC

06

Closure, Caretaker

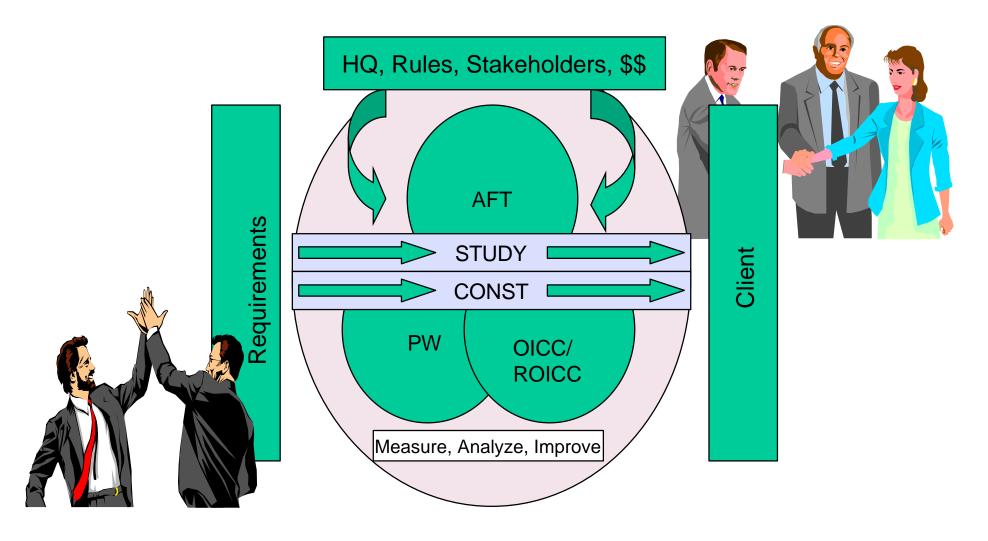


Org Chart - SWDiv





PW/AFT/ROICC Integrated Team





PW/AFT/ROICC Council (PARC)

PW/AFT/ROICC Council (PARC)

"FACILITIES TEAM" MISSION: TO PROVIDE QUALITY FACILITIES AND SERVICES THRU EFFECTIVE PLANNING, ENGINEERING & ACQUISITION WHICH ANTICIPATE & ARE RESPONSIVE TO THE NEEDS OF MARINE CORPS BASE, FMF, TENANTS, MARINES, SAILORS AND THEIR FAMILIES.



Camp Pendleton

- MCB is home to:
 - I MEF
 - 1st MARDIV
- MCB Geography
 - 125,000 acres
 - 17 miles of coastline
- Facilities
 - \$2.4B PRV
 - \$150M BMAR
 - 18000 billeting spaces
- % of SW Reg Workload
 - 30% of capital improvements
 - 14% of ERN

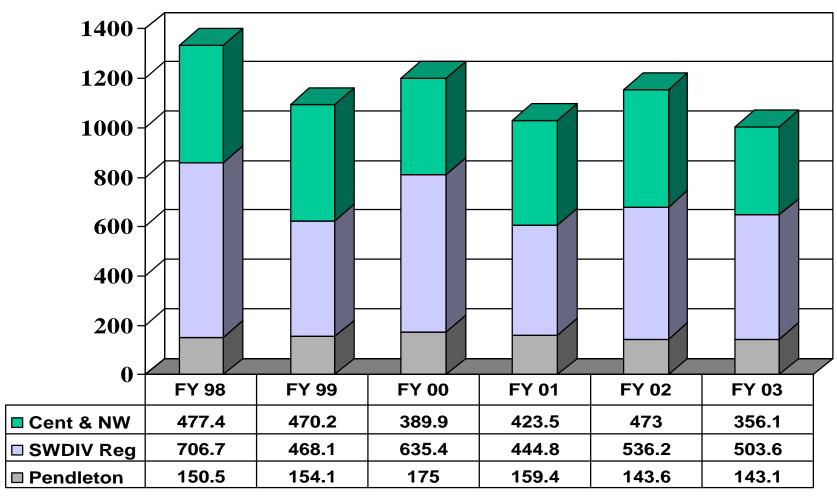
- MCAS, NAVHOSP, ACU FIVE
- 40,000 active duty military
- Home to 18endangered/threatened species
- 3900 buildings and structures
- 520 miles of road
- 6600 housing units

— 20% of utility work



Camp Pendleton Workload vs SWDIV

Millions





MILCON Program

FY	PROJ	FND	TITLE	PA	
99	P-024	MCON	BEQ	9,742	X
	P-045	MCON	FITNESS CENTER	3,053	
	P-054	MCON	HOLF	3,784	
	P-999	MCON	BEQ	9,860	X
	P-218	UMC	VERTREP PAD	882	
	P-507	MED	MED/DENT CLINICS - 33	2,976	
	P-508	MED	MED/DENT CLINICS - 62	3,072	
	H-994	FHIF	SAN ONOFRE HSG RENOV	11,486	X
	N-834	NAF	RETAIL CENTER	4780	
	N-927	NAF	CAR WASH, 20 AREA EX	702	
	N-928	NAF	GAS STATION, 20 AREA EX	933	
	TOTAL			51,270	
00 P-029 BI		BRAC	BRAC WRHSE/STOR FAC	5,994	
	P-022	MCON	TACT VEHICLE MTC FAC	9,010	X
	P-063	MCON	SNCO ACADEMY	6,480	X
	P-069	MCON	SNCO BEQ	9,740	X



MILCON Program

FY	PROJ	FND	TITLE	PA	
FY 00 P-067 MC		MCON	ARMORY DEL MAR	2,620	X
	P-076	MCON	INTEGR COMM HUB	3,810	X
	P-516	MCNR	RESERVE TRNG FACILITY	9,940	X
	P-066	MCON	MEF OPS	6,800	X
	H-097	FHIF	FORSTER HILLS HOUSE RENOVS	4,418	X
	TOTAL			58,812	
01	P-633	MCON	INFANTRY SQ BATTLE	4,000	
	P-634	MCON	ARMOR/ANTI ARMOR	4,100	
	H-995	FHIF	SAN ONOFRE WHL HSG REN PH I	24,969	X
		FHIF	SAN ONOFRE WHL HSG REN PH II	9,030	X
	TOTAL			42,099	
02	P-017	MCON	AIRCRAFT HANGAR IMPRVS	4,240	
	P-017	MCON	BEQ, SAN MATEO	20,380	X
	P-061	MCON	HELO OUTLYING LAND'G FLD	3,700	
	P-235	MCON	INDOOR FITNESS CTR	12,770	X
	P-603	MED	MED/DENT CLINIC LAS FLORES	3,500	
	P-604	MED	MED/DENT LAS PULGAS	3,050	
	P-605	MED	MED/DENT CLINIC HORNO	3,500	
	TOTAL			51,140	



MILCON Program

FY	PROJ	FND	TITLE	PA	
03	P-011	MCON	AVIATION ARMS SHOP	3,940	Σ
	P-038	MCON	CONSTR WEIGHT HANDLG SHOP	3,170	Σ
	P-071	MCON	LOOP FIRE WTR MAINS	1,820	Σ
	P-038	MCON	AAAV SCHOOL/MAINT FAC	27,300	
	P-093	MCON	BEQ, PICO	15,800	Σ
	TOTAL			52,030	
04	P-042	MCON	AAAV MAINT FAC	7,100	
	P-044	MCON	BEQ	15,240	X
	TOTAL			22,340	
05	P-032	MCON	MAG 39 HQ BLDG	5,380	X
	P-039	MCON	IMEF SIMULATION CTR	7,300	X
	P-041	MCON	AVTB/DEL MAR BOAT BASIN	2,000	
	P-098	MCON	BEQ	17,350	X
	P-330	MCON	FITNESS CENTER	4,250	X
	P-604	MCON	CHILD DEVELOPMENT CENTER	1,910	
	TOTAL			38,190	



Housing PPV

- Phase I: Privatize 8% of the existing inventory (512 DeLuz units)
 - Replace 312, renovate 200, and construct 200 new units
 - Agreement executed 10 November 2000
- Phase II: Privatize 50% (3,311 units) of the existing inventory
 - Accomplish all renovation backlog on units privatized
 - Replace 812 units at Wire Mountain (priority)
 - Achieve deficit construction
 - Minimize impact to existing residents
 - Implement new/replacement construction accordingly
- Phase III: Evaluate privatization of the remaining existing inventory 42% (2,852 units)
 - Accomplish renovation backlog and deficit reduction, based on requirement and funding availability



Acquisition Schedule

Endorsement of Concept by Marine Corps		
RFQ/RFP substantially complete	Jul 01	
Concept & RFQ/RFP approval by DASN(I&F)	Aug 01	
Concept & RFQ/RFP concurrence by DUSD(I)	Aug 01	
Notify Congress (project)	Sep 01	
Issue RFQ/RFP	Dec 01	
Notify Congress (funds transfer)	Jul 03	
Execute agreement	Sep 03	

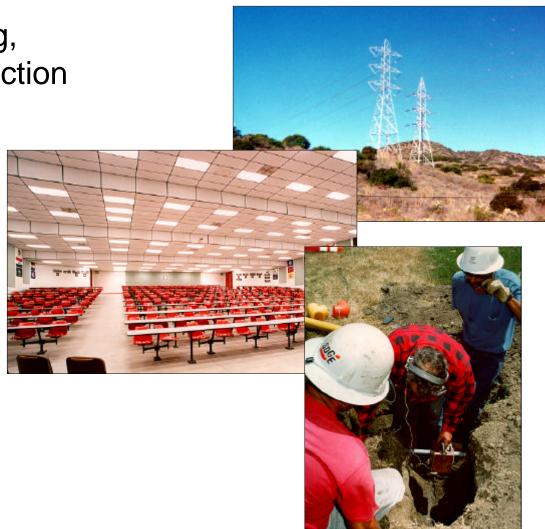


UTILITY Systems

 System modeling, design & construction

Energy studies& audits

Privatization





Utility Privitization Status

- Oct 99 Dec 99 Industry interest assessed
- Electric & Gas RFPs Sep 2001
- Water & Wastewater RFPs May 02
- Sep 03 Target for GO/NO GO on UP



Wastewater/water System Recapitalization

- CPEN unique problems
 - produces own water
 - numerous STPs w/ compliance issues
 - little opportunity to reuse effluent

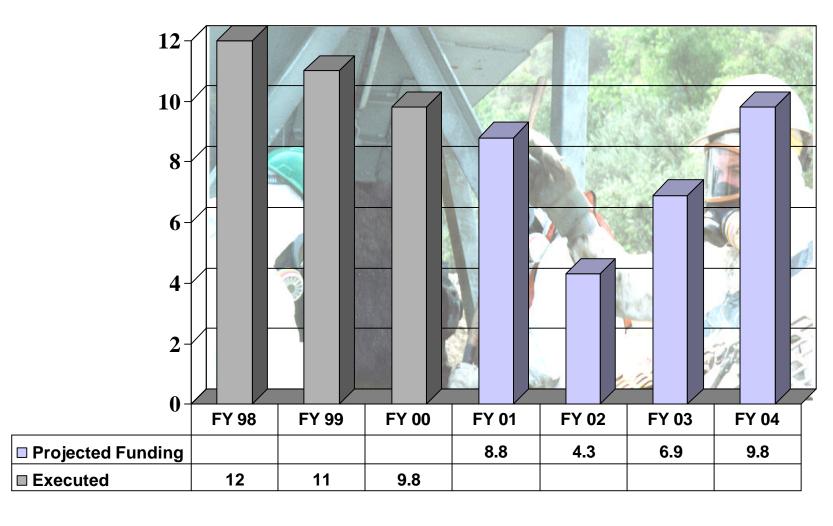
- Despite repairs/upgrade
 - secondary effluent technology cannot meet regulatory requirements

5-year phased program starting FY 03 or 04 (\$170M)



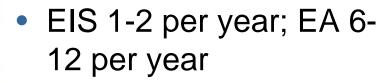
Environmental Programs

Millions





Environmental Planning



- 18 endangered species
- Major natural, cultural & historical resources

Least Bell's Vireo
Arroyo Southwestern Toad
Stephens' Kangaroo Rat
California Gnatcatcher
Least Tern
Pacific Pocket Mouse
Rare Plants
Vernal Pools



Team Pendleton

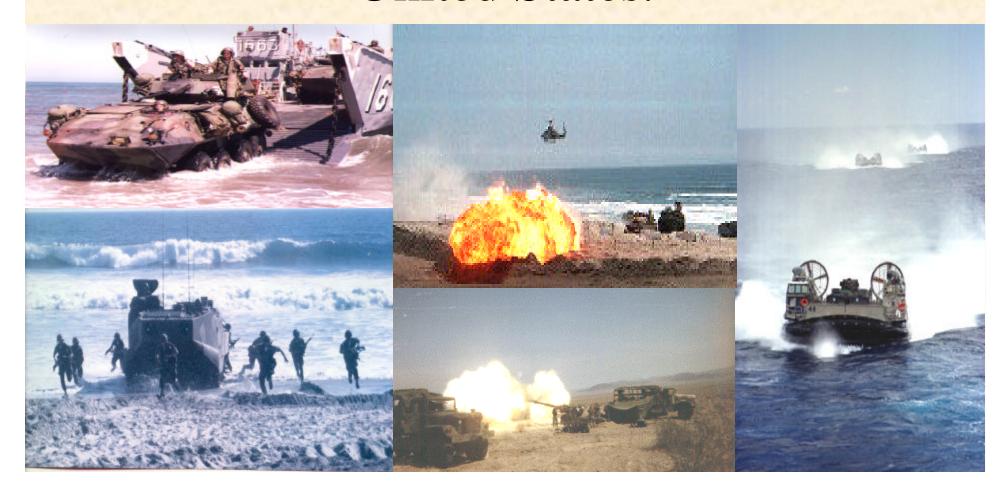


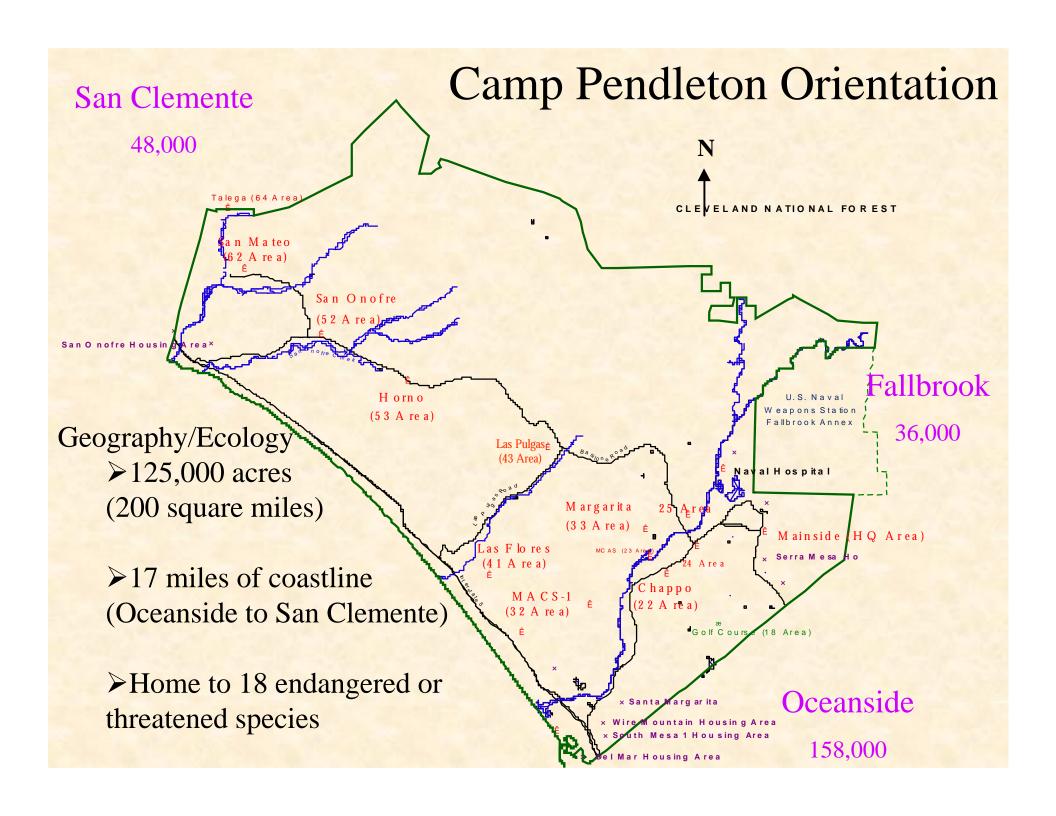
One Team, providing Camp Pendleton the best in Engineering, Planning, and Contracting Services.

Faster, Better, Cheaper, Easier



Camp Pendleton is the busiest Department of Defense installation in the United States.







Facilities Overview

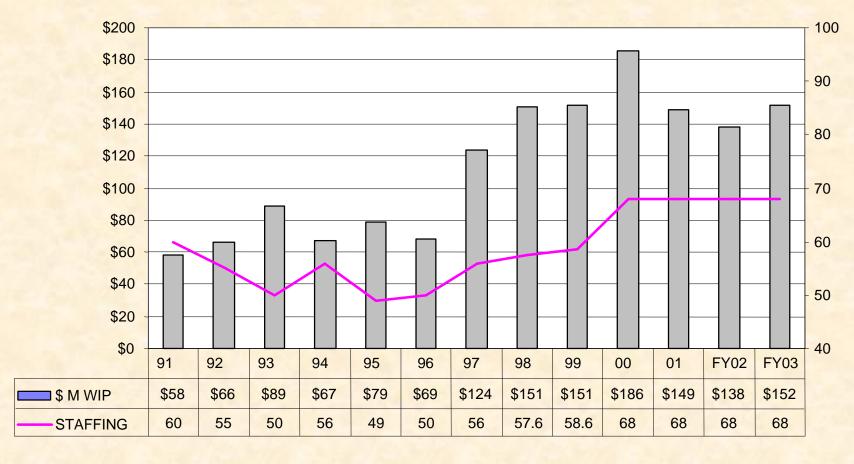


BASE AREA	125,547	ACRES
FAMILY HOUSING		UNITS
PERMANENT PARTY BILLETING SPACES	18,000	SPACES
BLDGS/STRUCTURES (12,510,000 SF)	3,897	TOTAL
ROADS	530	MILES
RAILROAD TRACK	20	MILES
SEWAGE TREATMENT	9	PLANTS
SEWER MAINS	150	MILES
SEWAGE LIFT STATIONS	49	STATIONS
WATER PRODUCTION	24	WELLS
WATER MAINS	375	MILES
WATER STORAGE	23	RESERVOIRS
STEAM DISTRIBUTION LINES	6	MILES
GAS DISTRIBUTION LINES	145	MILES
ELECTRIC DISTRIBUTION LINES	335	MILES
ELECTRIC SUBSTATIONS	215	STATIONS
BOILERS	487	BOILERS
LANDFILLS	2	LANDFILLS
TOTAL REPLACEMENT VALUE	\$2.9	BILLION
BACKLOG OF MAINTENANCE AND REPAIR	\$139.0	MILLION

5/10/2001



Construction Trend





Quality is My Metric









Sewage Treatment



- Oceanside Outfall
 - \$8M
- Sewage TreatmentPlant Upgrades
- Tertiary TreatmentPlant



P-527-B, Sewage Treatment Plant Modifications



Construct 14.4 miles of pipeline for secondary effluent across MCB Camp Pendleton and through City of Oceanside to their ocean outfall.

HYPAC





Modifications to Sewage Treatment Plants



Complexity:

- Prototype
- Archeological,
 Biological,

Environmental Rqmts.



5/10/2001



Quality of Life



- New Housing
 - San Mateo Pt
 - Pacific View
 - Rehabs
- BEQs
 - New
 - Rehab
- Gyms
- Retail











P-063, Staff NCO Academy



Design/Build a Staff NCO Academy, including a separate warehouse and armory.



5/10/2001

Public/Private Venture (PPV) - Deluz Housing



Privatization of 512 existing family housing units and 200 new units on 135 acres.

Lessons Learned for PPV 2:



- Utilities
- RFP Development





Old Facilities



Decade	Number	SF	CPV
1940	655	17,883,840	\$596,300,000
1950 (STPs)	685	3,830,632	\$408,200,000
1960	475	15,527,176	\$454,400,000
1970	471	8,015,434	\$501,700,000
1980	585	5,956,016	\$621,400,000
1990	397	43,844,986	\$334,400,000
2000	28	580,000	\$36,600,000

5/10/2001



The Road to Recovery (FY03-07 Submission)



Facility Class	Priority	MCB CPEN	MCON FY97-02	MCON FY03-07
Operational and Training Facilities	2	C-3	7/\$31M	5/\$28M
Maintenance and Production Facilities		C-3	2/\$20M	1/ <mark>\$27M</mark>
Research, Develop, Test and Eval Facilities		C-4		1/\$15M
Supply Facilities		C-3	1/\$3M	
Hospital and Medical Facilities		C-3	N/A	N/A
Administrative Facilities	3	C-4		4/\$49M
Housing and Community Facilities		*C-3	12/\$140M	11/\$164M
Utilities and Grounds Improvements	1	*C-3	1/\$35M	10/ <mark>\$155M</mark>

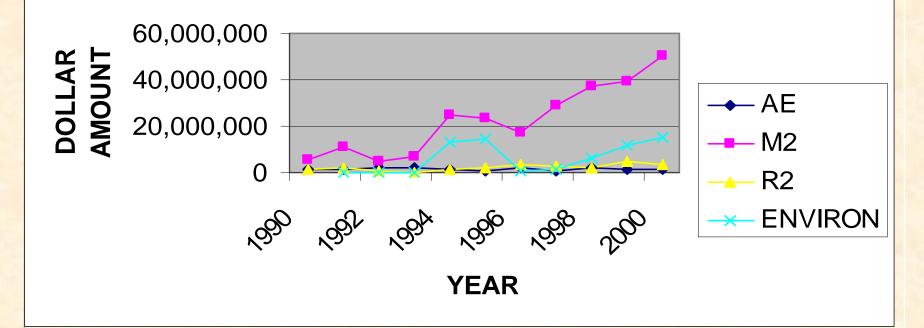
5/10/2001



M2/R2 Program since 1990



10 YEAR FACILITIES PROJECT FUNDING HISTORY 1990-2000





POM 2004 MCB Camp Pendleton



FY 2003		
P-002	Tertiary Treatment Facility (Wastewater Phase 1)	45,330
FY 2004		
P-112	Wastewater Conveyance (WW Ph 2)	31,380
P-068	Raw Water Transmission Pipeline (BW Ph 1)	11,610
P-004	Amphibious Operations Facility, Del Mar	10,800
P-724	RMS Complex, Phase 1 (Artillery Maintenance)	11,427
P-541	MAGTF C4I Integration/Test Fac, MCTSSA	14,870
P-044	BEQ, Headquarters	19,800
P-330	Indoor Fitness Facility, 53 Area	7,600
P-637	Infantry Squad Defense Range	4,690
P-613	Close Combat Pistol Course	1,440
P-008	ISR Camp - Radio Bn	24,530
P-042	AAAV Maintenance Facility, 21 Area	9,875
P-013	Assault Breacher Vehicle (ABV) Facility	4,480
	FY 2004Total	\$ 152,502

5/10/2001



POM 2005 MCB Camp Pendleton



FY 2005		
P-110	Reclamation for Margarita Basin Sewage (WW Ph 3)	20,290
P-071	Water Treatment Plant/Reservoir (BW Ph 2)	7,130
P-009	ISR Camp, Phase 2 (Intel Bn)	13,410
P-725	RMS Complex, Phase 2 (Motor Transport Maintenance)	10,299
P-098	BEQ, San Mateo (62 Area)	21,720
P-014	BEQ, Headquarters	20,300
P-608	Indoor Fitness Facility, 33 Area	7,440
P-041	AVTB/Del Mar Boat Basin Facilities (AAAV), 21 Area	920
	FY 2005 Total	\$ 101,509

5/10/2001



Wastewater/Water Program Funding Summary



FY03 P-002	Tertiary Treatment Plant (1)	\$45.3M
FY04 P-112	Wastewater Conveyance (1)	\$32.2M
FY04 P-068	Raw Water Transmission (2)	\$10.4M
FY05 P-110	Reclamation for Santa Margarita Basin (1)	\$20.3M
FY05 P-071	Phase II Water Treatment Plant (2)	\$6.4M
FY06 P-006	Demolish STPs 1, 2, 3, 8, and 13	\$5.8M
FY06 P-113	Advance Water Treatment Phase I & II Plants	\$32.3M
FY06 P-072	Water Distribution System Upgrades (2)	\$2.5M
FY07 P-007	STP 9 Connection/Demolition	\$10.0M
FY07 P-079	5 MG Water Reservoir	\$7.9M
	Total Program Cost	\$173.1M

These costs are taken from engineering studies, then escalated to appropriate FY, and include contingency, SIOH, etc.

- (1) Class 1 wastewater compliance project.
- (2) Class 1 water compliance project.



P-002, Tertiary Treatment Plant



REQUIREMENT

• Reliable, cost-effective sewage treatment capacity in conformance with current and future regulatory requirements.





• Tertiary treatment capability and water reclamation, maximizing reuse to protect water rights.



P-112, Wastewater Conveyance



REQUIREMENT: Convey Raw Wastewater to New Plant and

to river discharge structure.
Phased Construction Program





P-110, Reclamation for Santa Margarita Basin



REQUIREMENT: Convey Tertiary effluent to reuse sites.

- Identify and Evaluate Sites for Reuse
 - Southern Part of MCBCP
 - Golf Course
 - Open Space and Recreation
 - Agriculture
 - Vehicle Wash-down
 - CalTrans
 - Neighboring Agencies (Fallbrook, Oceanside)



P-068, Raw Water Transmission Pipeline P-071, Water Treatment Plant and Reservoir



REQUIREMENT

- Provide safe, reliable drinking water to MCB customers, including work centers and housing
- First two of five phases
- I/M removal
 - manifold system together
 - Treatment/ filtration
 - storage

